

ABSTRACT OF THE DISCLOSURE

Disclosed is a method and apparatus for providing a light emitting diode and driving circuitry integrated into a component module that will retrofit common incandescent lightbulb applications. The disclosed embodiments will perform with high efficiency at a wide operating voltage range with a very small size allowing for the incorporation within the envelope and form of existing lightbulb bases. Therefore, a single universal LED light bulb module can be used to replace the dozens of conventional LED and incandescent lights currently being used. The electronic circuitries used to drive the LEDs are extremely compact and consequently can be incorporated in nearly any standard bulb base.